



## MassDEP

Drinking Water Program

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Photo by: Mary Beth LaRivee

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### Drinking Water Program Updates

2018-05-24

This week's program director email has these topics of interest:

1. MassCEC and UMass Mobile Testing Lab
2. Leaders in Lead Service Line Replacement
3. Lead and Copper Rule Sample Checklist
4. Emergency Response, Hurricanes Harvey and Irma After Action Report, Trainings
5. Pesticides in UCMR4
6. Training Calendar

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## MassCEC and UMass Mobile Testing Lab

On May 17th there was a ribbon cutting for the Massachusetts Clean Energy Center (MassCEC) and the University of Massachusetts (UMass) Amherst Mobile Water Testing Lab. Researchers provided tours and live demonstrations of the trailer, which demonstrates advanced technology for testing the quality and safety of water sources including community water treatment facilities. The lab, which is a 36 foot movable truck trailer, was made possible by grants from UMass, MassCEC, and corporate sponsors AECOM, CDM Smith, Element 26 and Thermo-Fischer Scientific as well as support from the Northeast Water Innovation Network (NEWIN). One of the goals of the Mobile Water Testing Lab is to accelerate the adoption of new technologies that produce higher quality drinking water at lower cost and using less energy. The mobile Water Lab will help accelerate local technologies while improving public health.

For more information on this project see [ecs.umass.edu/cee/reckhow/](https://ecs.umass.edu/cee/reckhow/) and [ecs.umass.edu/eve/facilities/Trailer.html](https://ecs.umass.edu/eve/facilities/Trailer.html)



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## Leaders in Lead Service Line Replacement

EPA R1 is pleased to point out that 2 of Mass star water utilities/communities made it to this national recognition: MWRA and Boston Water & Sewer. We are proud of your efforts and look forward to using your leadership to inspire others to get the lead out by replacing residential lead pipes. We encourage you to share information on your Lead Service Lines Replacement programs with us and EPA so that others can learn from your innovative programs. For more on these leaders see [epa.gov/ground-water-and-drinking-water/leaders-lead-service-line-replacement](https://epa.gov/ground-water-and-drinking-water/leaders-lead-service-line-replacement)



## Lead and Copper Rule Sample Checklist

Attached to this newsletter are Word and PDF copies of the updated Lead and Copper Rule sample checklist. Please peruse it to familiarize yourself with the procedures related to the rule before, during, and after sampling.

### Questions

If you have any questions about Lead and Copper Monitoring requirements for your system, to request the use of alternative sampling sites, or for any assistance with the Lead and Copper Rule, please contact the following MassDEP Drinking Water Program regional staff:

CERO	Josephine Yemoh-Ndi	508-849-4030	<a href="mailto:Josephine.yemoh-ndi@state.ma.us">Josephine.yemoh-ndi@state.ma.us</a>
	Amy Finch	508-767-2720	<a href="mailto:Amy.finch@state.ma.us">Amy.finch@state.ma.us</a>
NERO	Melissa Privetera	978-694-3403	<a href="mailto:Melissa.privetera@state.ma.us">Melissa.privetera@state.ma.us</a>
	Melika Uter	978-694-3345	<a href="mailto:Melika.uter@state.ma.us">Melika.uter@state.ma.us</a>
SERO	Giliane Tardieu	508-946-2789	<a href="mailto:Giliane.tardieu@state.ma.us">Giliane.tardieu@state.ma.us</a>
	Nicholas Shuler	508-946-2792	<a href="mailto:Nicholas.shuler@state.ma.us">Nicholas.shuler@state.ma.us</a>
WERO	Catherine Wanat	413-755-2216	<a href="mailto:Catherine.wanat@state.ma.us">Catherine.wanat@state.ma.us</a>

For more information on the Lead and Copper Rule, click [here](#) or contact the Drinking Water Program by email at [program.director-dwp@state.ma.us](mailto:program.director-dwp@state.ma.us) Subject: "LCR" or 617-292-5770.

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## Emergency Response

### **Hurricanes Harvey and Irma After Action Report**

The American Water Works Association (AWWA), in partnership with Water/Wastewater Agency Response Networks (WARNs) in Florida, Georgia, North Carolina, South Carolina, Tennessee, and Texas, has published an After Action Report (AAR) on the successes and challenges that were experienced by the water sector during Hurricanes Harvey and Irma in 2017. One of the successes noted by the AAR is that utilities in Florida and Texas took steps to mitigate the consequences of power loss, such as by employing backup power strategies and increasing fuel storage capacity. Among other areas for improvement, the AAR recommends that FEMA revise the National Response Framework (NRF) to consolidate water sector related tasks into a single emergency support function (ESF), as is the case for the other critical lifelines sectors (transportation [ESF #1], communications [ESF #2], and energy [ESF #12]). [AWWA](#).

### **EPA Webinar - Online Water Quality Monitoring for Distribution Systems**

Tuesday, June 5, 2018, 1:00 – 2:00 PM ET; webinar

EPA will conduct a webinar to discuss design considerations for implementing and operating online water quality monitoring in a drinking water distribution system. Also, Philadelphia Water Department will present a case study about its online distribution system monitoring program. [Register at EventBrite](#).

### **EPA Webinar - Field Response Planning for Drinking Water Contamination Emergencies**

Thursday, June 14, 2018, 2:00 – 3:00 PM ET; webinar

EPA will conduct a webinar to discuss how utilities can prepare for drinking water contamination emergencies. Planning for these events includes identifying activities that utility personnel can be trained to perform in an emergency, planning with local emergency response partners, developing procedures, and conducting drills and exercise. Attendees will learn more about these activities and where to find additional resources for planning and training. provides additional information on this webinar. [Register at EventBrite](#).

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## Pesticides in UCMR4

The fourth Unregulated Contaminant Monitoring Rule (UCMR4) was published in the Federal Register on December 20, 2016. UCMR4 requires that certain public water systems monitor for 30 chemical contaminants between 2018 and 2020 using analytical methods developed by EPA and consensus organizations. This monitoring provides a basis for future regulatory actions to protect public health.

MassDEP has information on UCMR4 at [mass.gov/lists/contaminants](https://mass.gov/lists/contaminants). Additional information is available from EPA at [epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule](https://epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule).

Several pesticides are on the list for monitoring for UCMR4. The Massachusetts Department of Agricultural Resources (MDAR) reviewed the list of pesticides for MassDEP and determined that several of them are not registered for use in Massachusetts.

UCMR4 Pesticide	Registered for use in Massachusetts?	Useful Info
<b>Alpha-hexachlorocyclohexane (common name: lindane)</b>	No	
<b>Chlorpyrifos:</b>	Yes Restricted Use About 40 products registered	Substantial use expected in the registered use patterns of agriculture and golf courses.
<b>Dimethipin:</b>	No	
<b>Ethoprop:</b>	Yes Restricted Use	Used as a fumigant in a few crops, specifically potatoes, certain vegetables, and tobacco.
<b>Oxyfluorfen:</b>	Yes 15 products registered in MA contain this general use herbicide.	Use in various agricultural crops, as well as on non-crop areas, particularly ornamental plants.
<b>Profenofos:</b>	No	

<b>Tebuconazole:</b>	Yes About 70 products containing this fungicide are registered in MA.	Used on vegetables, fruits, ornamentals, turf, and trees. Advisory label informs applicator about leaching and runoff potential.
<b>Total Permethrin (cis- &amp; trans-):</b>	Yes > 100 registered in MA, both indoor and outdoor uses, including on pets.	Widely used, but permethrin binds strongly to soils and is not mobile; therefore not likely to leach. It may occur in runoff waters due to application on or near impervious surfaces.
<b>Tribufos</b>	No	

For occurrences of registered pesticides in Massachusetts, contact MDAR at 617-626-1771 or visit [mass.gov/pesticide-product-registration](https://www.mass.gov/pesticide-product-registration).

The Drinking Water Program will re-post results and provide updates to public water suppliers on UCMR4, including the pesticides, as the monitoring progresses.

Go to: [epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule](https://www.epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule) to review the UCMR4 contaminants.

Are you aware that Public Notice must be done within 12 months of receiving your UCMR4 results and that those results must be in your 2019 CCR from 2018 test results.

If your public water system is scheduled by EPA for UCMR4 sampling and you have any questions please contact the EPA CDX help desk [[helpdesk@epacdx.net](mailto:helpdesk@epacdx.net) or (888)-890-1995]. You may also contact the Drinking Water Program at [program.director-dwp@state.ma.us](mailto:program.director-dwp@state.ma.us) Subject: "UCMR4"

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## Training Calendar

When you need training please look at the training calendar located at:

[mass.gov/eea/agencies/massdep/water/drinking/drinking-water-training-class-schedules.html](https://mass.gov/eea/agencies/massdep/water/drinking/drinking-water-training-class-schedules.html) for upcoming trainings.

If you need a refresher on recently given trainings, you can review several training videos located at:

[youtube.com/playlist?list=PLJn2AKOcYr7lutGJB-UfDKtQPF\\_o\\_249m](https://youtube.com/playlist?list=PLJn2AKOcYr7lutGJB-UfDKtQPF_o_249m)

Or click here:  YouTube

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## Spam

Please be reminded that official emails from MassDEP will never come from a Hotmail or any other personal account. If you receive an email of this nature, the email is spam. Do not click on the links, and delete it immediately. To safeguard yourself only click open emails that have [XXXXX.XXXX@state.ma.us](mailto:XXXXX.XXXX@state.ma.us).

MassDEP is sending this important drinking water information to all PWS responsible persons who are listed on the state database. If you are no longer the correct responsible person for the PWS please reply with the correct contact information. MassDEP needs one responsible contact person from each PWS.

Operators, consultants, and others who are interested in Drinking Water Program Updates are encouraged to request to be subscribed to this email list. You may also request to be unsubscribed by replying to this email.

This MassDEP Program Director technical assistance email is funded by the Safe Drinking Water Act Assessment (Section 70) Program. The Assessment is paid by all consumers of public water in Massachusetts and is collected by public water systems. For more information about the Assessment Program, go to [mass.gov/eea/agencies/massdep/news/advisory-committees/safe-drinking-water-act-assessment-advisory-committee.html](https://mass.gov/eea/agencies/massdep/news/advisory-committees/safe-drinking-water-act-assessment-advisory-committee.html).

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